



# SPYWOLF

## Security Audit Report



Completed on  
**June 25, 2023**

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SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **Snail Coin** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# Snail Coin



## PROJECT DESCRIPTION

### **According to their website:**

Snail Coin is a unique Ethereum project that offers a fair and engaging transactions to its users.

Unlike other projects, it does not involve staking or NFTs, making it more accessible to a wider audience.

In Snail Coin, users take on the role of a snail navigating through a series of ideas on marketing & community growth to reach the end goal.

The space is our home & Moon is just a few steps away!

**Release Date:** Presale starts in June, 2023

**Category:** Meme token



# CONTRACT INFO

|  |                        |
|--|------------------------|
| Token Name<br>Snail Coin                                       | Symbol<br>Snail        |
| Contract Address<br>0x025999769c22F1d5E650d7Dd788738d0f78FF6A1 |                        |
| Network<br>Binance Smart Chain                                 | Language<br>Solidity   |
| Deployment Date<br>Jun 23, 2023                                | Verified?<br>Yes       |
| Total Supply<br>1,000,000,000,000                              | Status<br>Not launched |

## TAXES



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

|                         |                     |
|-------------------------|---------------------|
| Transfer Count          | 1                   |
| Uniq Senders            | 1                   |
| Uniq Receivers          | 1                   |
| Total Amount            | 1000000000000 Snail |
| Median Transfer Amount  | 1000000000000 Snail |
| Average Transfer Amount | 1000000000000 Snail |
| First transfer date     | 2023-06-23          |
| Last transfer date      | 2023-06-23          |
| Days token transferred  | 1                   |

# SMART CONTRACT STATS

|                       |  |
|-----------------------|--|
| Calls Count           | 1  |
| External calls        | 1  |
| Internal calls        | 0  |
| Transactions count    | 1  |
| Uniq Callers          | 1  |
| Days contract called  | 1  |
| Last transaction time | 2023-06-23 16:13:13 UTC  |
| Created               | 2023-06-23 16:13:13 UTC  |
| Create TX             | 0xc5d4ab929cd307304fe623d233e0436958301f154ccd51fdee68110a9201fc27 |
| Creator               | 0xf1e72515d78e5c82a1f36adaf8a06dcc13d89553                         |



# VULNERABILITY CHECK

|  |        |
|--|--------|
| Design Logic   | Passed |
| Compiler warnings.   | Passed |
| Private user data leaks  | Passed |
| Timestamp dependence   | Passed |
| Integer overflow and underflow                                 | Passed |
| Race conditions and reentrancy. Cross-function race conditions | Passed |
| Possible delays in data delivery                               | Passed |
| Oracle calls   | Passed |
| Front running  | Passed |
| DoS with Revert  | Passed |
| DoS with block gas limit                                       | Passed |
| Methods execution permissions                                  | Passed |
| Economy model  | Passed |
| Impact of the exchange rate on the logic                       | Passed |
| Malicious Event log  | Passed |
| Scoping and declarations                                       | Passed |
| Uninitialized storage pointers                                 | Passed |
| Arithmetic accuracy  | Passed |
| Cross-function race conditions                                 | Passed |
| Safe Zeppelin module   | Passed |
| Fallback function security                                     | Passed |





# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## High Risk

No high risk-level threats found in this contract.

## Medium Risk

No medium risk-level threats found in this contract.

## Low Risk

No low risk-level threats found in this contract.



## Informational

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFee(address account, bool isExcluded) public onlyOwner {
    isExcludedFromFee[account] = isExcluded;
}
```

There is transaction limits of 1% total supply per tx in the first 3 seconds after launch.

```
function _transfer(address from, address to, uint256 amount) internal override {
    require(from != zeroAddr, "ERC20: transfer from the zero address");
    require(to != zeroAddr, "ERC20: transfer to the zero address");

    if (amount == 0) {
        super._transfer(from, to, 0);
        return;
    }

    _firstBlocksProcess(to);
    .....
}

function _firstBlocksProcess(address to) private {
    if (startBlock == 0 && isSwapPair(to)) {
        starting = true;
        startBlock = block.timestamp;
        maxTx = supply / 100; // 1%
        return;
    } else if (starting == true) {
        if (maxTx < supply && block.timestamp > (startBlock + 3)) {
            maxTx = supply;
            starting = false;
        }
    }
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## Snail Coin

### GOOD PRACTICES FOUND

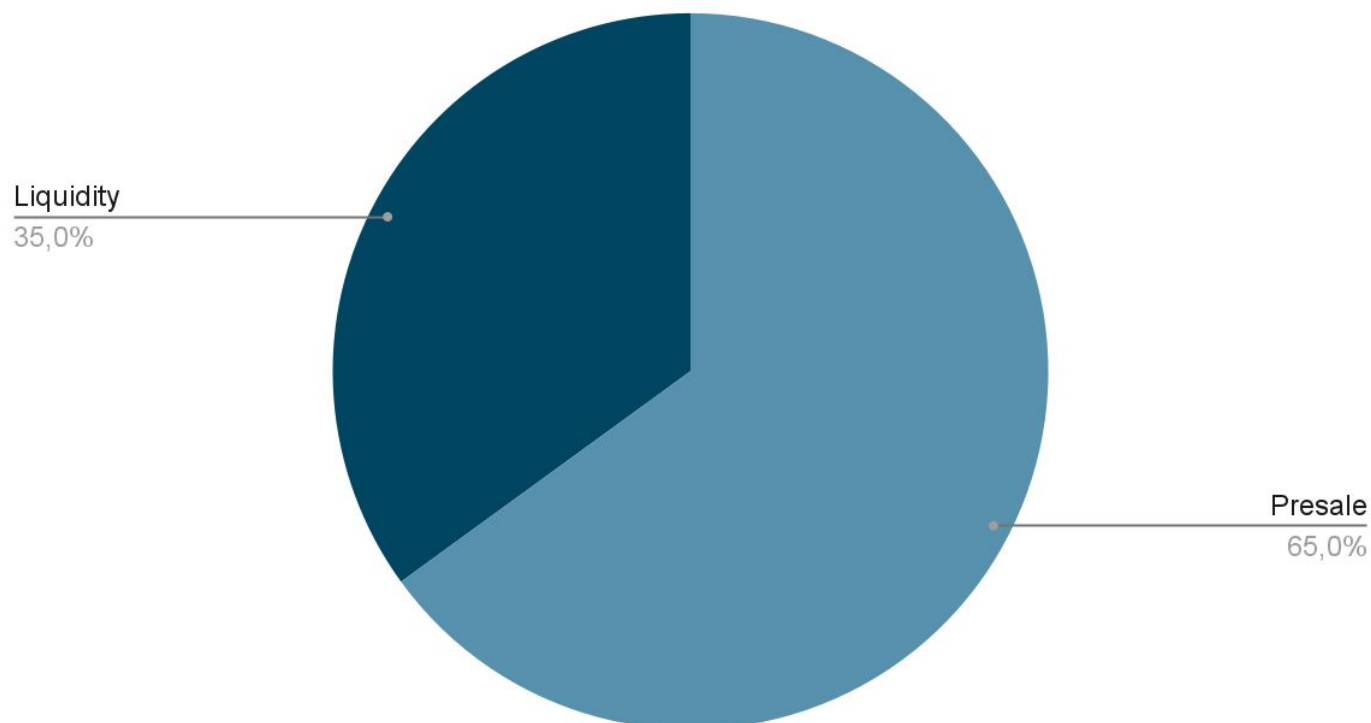
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



The following tokenomics are based on the project's whitepaper and/or website:

- 65% - Presale
- 35% - Liquidity

Tokens distribution



TOKENOMICS



# THE TEAM

! The team is anonymous

## KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





# WEBSITE

## Website URL

<https://www.snailcoin.vip/>

## Domain Registry

<https://www.namecheap.com>

## Domain Expiration

2024-06-23

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Single page design with appropriate color scheme and graphics.

## Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

## Whitepaper

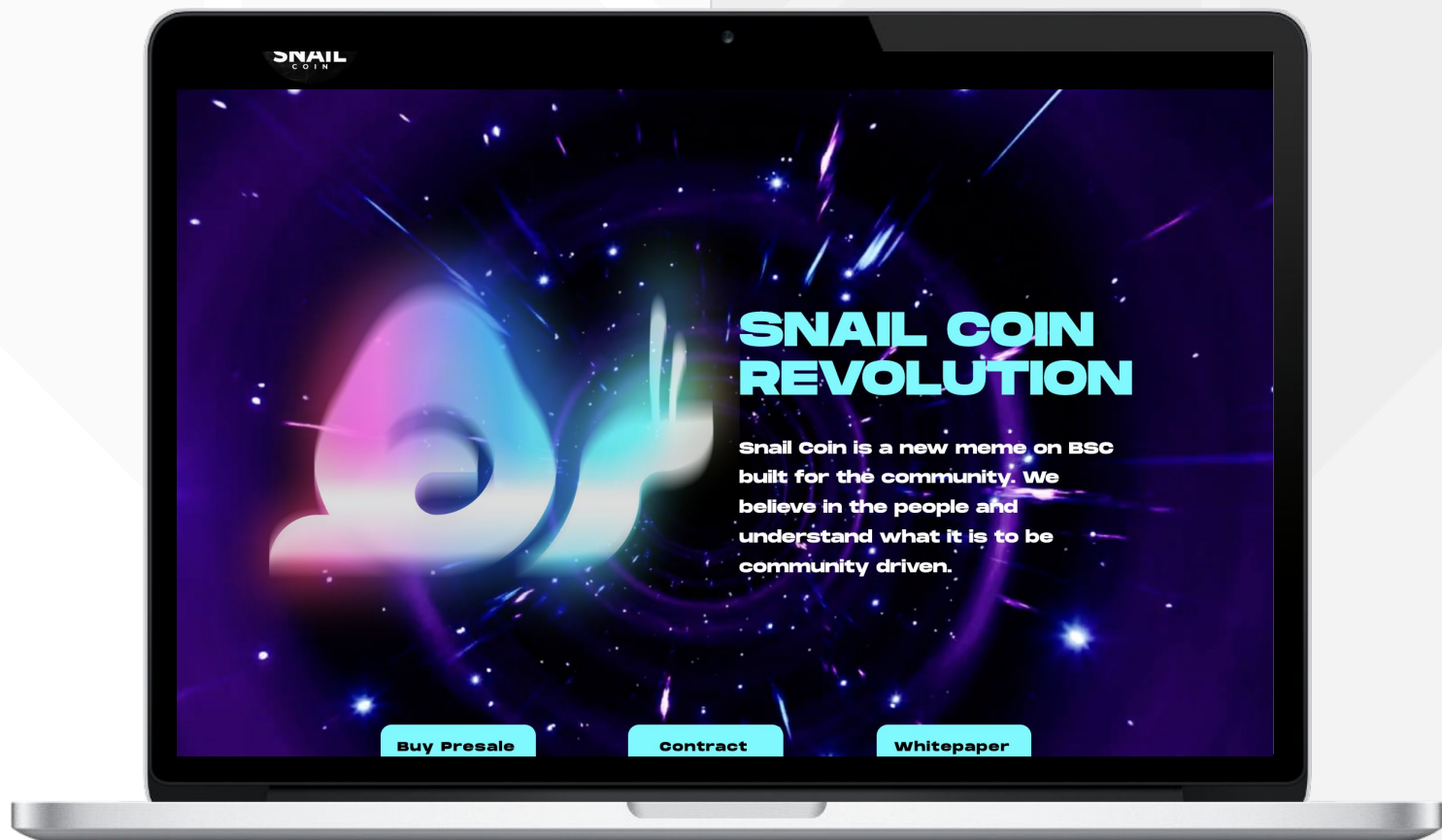
No

## Roadmap

Yes, goals set without time frames.

## Mobile-friendly?

Yes



# snailcoin.vip



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 500 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.